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Autore	Tanifuji Makoto
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Nota di contenuto	Intro Contents Preface 1. Polarization, Alignment and Orientation 1.1 Polarization, Alignment and Orientation 1.2 Quantum Mechanical Treatment of Vector Polarization 2. Spin Observables by Density Matrix 2.1 Density Matrix in Spin Space 2.2 Relationships between Representations, Spherical and Cartesian 3. Spin Observables in Nuclear Reactions 3.1 General Formulae of Cross Section and Polarization in Nuclear Reactions 3.2 Cross Section and Polarization for Unpolarized Beam and Target 3.4 Analyzing Power for Aligned Beam 3.5 Coefficients for Polarization Transfer, Depolarization and Spin Correlation 4. Invariant Amplitude Method and Scattering of Spin 1/2, 1 and 3/2 Particles 4.1 Decomposition of Transition Amplitudes into Invariant Amplitudes 4.2 Elastic Scattering of s = 1/2 Particle 4.3 Elastic Scattering of s = 1 Particle 4.4 Elastic and Inelastic Scattering of s = 3/2 Particle 5. Optical Potential and Elastic Scattering of Protons 5.1 Folding Model Interaction between Proton and Nucleus 5.2 Scattering of Proton by Optical Model Potential 6. Folding Model Interaction and Virtual Excitation in Scattering of Deuterons 6.1 Folding Model for Deuteron Nucleus Interaction 6.2 Interaction Induced by Virtual Excitation 6.3 Quantitative Analysis by the CDCC Method 7. Models of 7Li and Scattering by Nuclei 7.1 General View of + t Cluster Model 7.2

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	Folding Interaction by the +t Cluster Model 7.3 Numerical Calculation of Scattering by Cluster Model and Comparison with Experimental Data at Elab = 20.3 MeV 7.4 Folding Interaction by Continuum Model and Comparison with Experimental Data in Scattering by 120Sn at Elab = 44 MeV 7.5 Characteristics of the Contribution of the Tensor Interaction. 8. Polarization in Resonance Reaction 8.1 How to Derive Spin Parity of Resonance from Analyzing Power Data 8.2 Tensor Analyzing Powers by the Invariant Amplitude Method 8.3 Determination of the Spin Parity of Resonance 8.4 Reaction Amplitude in DWBA 8.5 Tensor Analyzing Powers by DWBA 9. Depolarization in p+3He Elastic Scattering and Time Reversal Theorem 9.1 Characteristics of Observed Depolarization of Protons in Scattering by 3He 9.2 Scattering Amplitude for Collisionbetween Spin 1/2 Particles 9.3 Interaction Model for p + 3He System 9.4 Relationships between Proton Depolarization Phenomena in a Three Nucleon System 10.1 Three Nucleon Force 10.2 Nucleon Deuteron Scattering Amplitudes by the Invariant-Amplitude Method 10.3 Observables and Comparison with Experimental Data 10.4 Contributions of the Three Nucleon Forces 10.5 Summary and Future Problem in Few Nucleon Systems Appendix Scattering Amplitudes for TR- and TL-Tensor Interactions References.
Sommario/riassunto	This book allows the reader to understand the fundamentals of polarization phenomena in a general spin system, showing the polarizations to be indispensable information source of spin-dependent interactions. Particularly, the book describes polarization phenomena in nuclear scattering and reactions in detail, and explains how they provide information concerning spin-dependent interactions between the related particles. The concepts of polarization observables are explained, explicitly in the scattering of protons, deuterons and 7Li nuclei. In looking at deuteron and 7Li scattering, interactions induced by the virtual excitation of projectiles are examined in detail. Resonance reactions are investigated, focusing attention on the polarization of observables, which suggests that polarization phenomena can be used to determine the spin parity of the resonance. It is noted that in few-nucleon systems, the discrepancy between the values of polarization observables based on theoretical models and the corresponding values obtained through experimental data, is an important problem to be solved in the future. Solving this problem should provide new knowledge concerning the nuclear forces between nucleons. The author has chosen open-access publishing for this book to allow any interested person to study this branch of nuclear physics.

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Pubbl/distr/stampa	Rockland, MA, : Syngress, 2004
ISBN	1-281-05579-4 9786611055790 0-08-047698-8
Descrizione fisica	1 online resource (417 p.)
Altri autori (Persone)	SchaeferKen PeirisChris
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Note generali	Includes index.
Nota di contenuto	Cover; Contents; About the Book; Introducing IIS 6.0; Hardening Windows Server 2003; Installing IIS 6.0; Configuring Basic Web Server Security; Advanced Web Server Security Configuration; Securing Application Pools; Securing FTP Sites; Securing SMTP and POP3 Services; Securing NNTP Virtual Servers; Securing Certificate Services; Securing Web Publishing; Securing Internet Printing; Monitoring IIS 6.0; Index; Related
Sommario/riassunto	A highly portable, easily digestible road-map to configuring, maintaining and troubleshooting essential IIS 6.0 features. The book is organized around the 15 ""MMCs"" (Microsoft Management Consoles) that contain the configuration menus for the essential features. The options within each menu are explained clearly, potential problems are identified up-front, and configurations are subsequently presented in the aptly named ""By the Book"" section for that MMC. Readers will also appreciate the ""Reality Check"" sidebars througout, which present valuable cost/benefit analyses of situations where th

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